REMARKS

Claims 1-31 are pending in this application. In this paper, claims 1, 12, 14, 18, and 26-28

have been amended. Reconsideration of the application is respectfully requested.

In the Office Action, claims 27 and 28 were rejected under 35 USC § 112, second

paragraph, for being indefinite.

Claim 27 recites that the data RLP module is the device which performs fragmentation or

assembly of packet data frame, not the upper layer. The recited "upper layer" provides an

indication of where the packet data frame may be derived; that is, the packet data frame recited

in claim 27 may derive from the upper layer. See, for example, Paragraph [48] of the

specification for support. Applicants therefore submit that claim 27 recites clear and definite

subject matter when read in light of the specification relative to these features.

Claim 28 was found to be objectionable for similar grounds. Applicants submit that the

subject matter recited in this claim is clear in view of the explanation above and Paragraph [48].

Applicants request withdrawal of the § 112 rejection for these reasons.

Claims 1 and 14 were rejected under 35 USC § 103(a) based on a Seo-Harris

combination. This rejection is traversed as follows.

Claim 1 recites that both "voice **and** packet data" are transmitted and received

"simultaneously" using a radio link protocol (RLP) frame when an SVD service option is

designed. (See, for example, Paragraphs [46] and [48] of the specification and Figure 5 of the

application drawings where voice and data (SVD) service are shown as being simultaneously provided

through the transmission and reception of a single RLP frame when an SVD service option is designated.) These features are not taught or suggested by the cited references.

The Seo patent discloses simultaneously providing voice and data services in connection with a service negotiation procedure. (See column 3, lines 42-65). However, these services are controlled through transmission and reception of a separate voice frame and a separate data frame. (See column 4, lines 7-11). Moreover, Seo does not teach or suggest providing voice and data services using a single multiplexed RLP frame.

The Harris publication discloses providing mobile communication service using an RLP frame. However the Harris system only provides voice service using an RLP frame, not both voice and data service simultaneously, e.g., SVD service. This is clear from Figure 1 and Paragraphs [0013] - [0015] of the Harris publication.

As shown in Figure 1, input voice information is stored in an RLP buffer 102. The voice information is then converted into data (e.g., packet data) and then transmitted based on an RLP frame. Thus, only voice information (in data packet form) is transmitted based on an RLP frame. Harris does not teach or suggest providing both voice service and data service (that is, "SVD service") simultaneously by transmitting and receiving voice and packet data in a single RLP frame as recited in claim 1; that is, Harris does not teach or suggest "providing SVD service by transmitting and receiving voice and packet data simultaneously using a radio link protocol (RLP) frame after service negotiation is performed using the SVD service option."

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In view of these differences, it is respectfully submitted that claim 1 and its dependent claims are allowable over a Seo-Harris combination.

Claim 14 recites "providing SVD service by transmitting and receiving voice and packet data simultaneously using radio link protocol (RLP) frames after service negotiation is performed through the SVD request signaling message exchange." These features are not taught or suggested by the Seo and Harris references, whether taken alone or in combination. In view of these differences, it is respectfully submitted that claim 14 and its dependent claims are allowable.

Claims 2, 3, and 15 were rejected based on Seo and Harris taken in combination with various secondary references. The rejection of these claims is traversed on grounds that the secondary references do not teach or suggest the features of base claims 1 and 14 missing from the Seo and Harris references.

Claims 26-28, 30, and 31 were rejected under 35 USC § 103(a) for being obvious in view of a Gage-Wei combination.

Claim 26 recites that "voice and packet data are simultaneously transmitted together in an RLP frame based on outputs of the voice RLP module and data RLP module." These features are not taught or suggested by the Gage and Wei references.

Gage discloses transmitting voice and data through separate RLP modules in separate data frames. See Figure 1 wherein voice RLP2 25 transmits voice information separately from data RLP3 26 which transmits data. Gage does not teach or suggest simultaneously transmitting
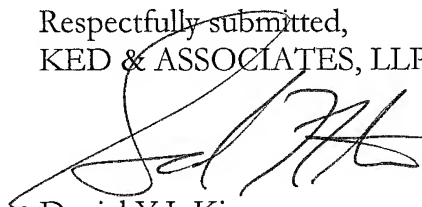
voice and packet data together in a single RLP frame based on outputs of the voice RLP module

and data RLP module, as recited in claim 26. The Wei publication is also deficient in this respect

in that it only discloses an RLP module in a MAC layer. Based on these differences, it is

respectfully submitted that claim 26 and its dependent claims are allowable.

Applicants further submit that claim 29 is allowable at least by virtue of its dependency

from claim 26, since Harris fails to teach or suggest the features of base claim 26 missing from

the Gage and Wei references.

In view of the foregoing amendments and remarks, it is respectfully submitted that the

application is in condition for allowance. Favorable consideration and timely allowance of the

application is respectfully requested.

To the extent necessary, a petition for an extension of time under 37 CFR § 1.136 is

hereby made. Please charge any shortage in fees due in connection with the filing of this,

concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and

please credit any excess fees to such deposit account.

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